REMARKS

Claims 1-12 are pending. The Final Office Action was mailed October 18, 2004. The Final Office Action rejected Claims 1-12 under 35 U.S.C. § 102. Pursuant to 37 CFR § 1.116, Applicant hereby respectfully requests reconsideration of the application.

The Final Office Action rejected Claims 1-12 as being anticipated by Malachowsky et al. (hereinafter Malachowsky). The Final Office Action states that Malachowsky discloses determining one or more trapezoids for defining the available display area based on the parameters of the one or more useful display areas, generating an image, determining location of the components of the image relative to the trapezoids and rendering the generated image that are determined to be located within the trapezoids. Applicant respectfully traverses this rejection.

Applicant submits that Malachowsky discloses a method for quickly generating graphics for display using only a single output display buffer. Malachowsky performs rapidly displaying quadrilateral images by handling only information regarding the four vertices of quadrilaterals that make up subportions of the image. Malachowsky breaks the quadrilaterals into subportions to be presented on a display (col. 2-3, lines 52-2). Malachowsky further discloses that if a shape to be decomposed lies only partially within the clipped window, portions of the image outside the clip need not be processed (col. 3, lines 3-18). Applicant submits that Malachowsky is performing graphical decomposition of the image that is to be displayed, but does not perform a graphical decomposition of the display area – determining one or more trapezoids for defining the available display area based on the parameters of the one or more useable display areas. Malachowsky shows in FIGURE 1 that a graphical shape to be displayed is divided into two quadrilaterals which when individually displayed on a computer output device provide the complete original shape. Applicant submits that this original shape is the shape of the image desired to be displayed, but is not the shape of the clipped window (col. 5, lines 26-36). The available display area of Malachowsky is the clip window, which is a standard rectangular window. Because the display area is a rectangular window, there exists no motivation for

determining trapezoids of the display area based on unusable display areas. Malachowsky defines the image and not the area where the image is to be displayed. Therefore, Malachowsky fails to teach or suggest determining one or more trapezoids for defining the available display area and rendering the components of the generated image that are determined to be located within the one or more trapezoids. Therefore, Applicant submits that independent Claims 1, 7, and 10 are allowable over the cited reference. Because Claims 2-6, 8, 9, 11, and 12 depend from allowable independent claims, they are allowable for the same reasons that make their corresponding independent claims allowable.

RESPONSE TO ARGUMENTS

The Final Office Action states that the arguments filed June 28, 2004 have been fully considered, but they are not persuasive. The Final Office Action states that the trapezoidal portions are displayed in a window (a clip window) by comparison of image data (vertices) that define trapezoid portions coordinate data of the clip window, which suggests trapezoids that define the display are determined.

Applicant respectfully submits that the trapezoid that Malachowsky discloses is the image that is to be displayed within the clip window, that trapezoid does not define the display area. The clip window defines the display area and is defined in the Final Office Action "Malachowsky further discloses the clip window defines the usable display area." The present invention defines the clip window by determining trapezoids that define that clip window (available display area). An image is generated and rendered into the determined trapezoids. A trapezoid is not displayed by the present invention unless the image itself is a trapezoid. The display area is just defined by multiple trapezoids.

Therefore, Applicant submits that Malachowsky teaches trapezoidal portions of an image displayed in a window and that these trapezoidal portions do not define the display area. In other

words, Malachowsky breaks down a geometric image into trapezoidal portions. Therefore, Applicant submits that Malachowsky et al. fails to teach or suggest the present invention.

CONCLUSION

Applicant respectfully submits that all of the claims of the pending application are now in condition for allowance over the cited references. Accordingly, Applicant respectfully requests withdrawal of the rejections, allowance, and early passage through issuance. If the examiner has any questions, the examiner is invited to contact the Applicant's agent listed below.

Respectfully submitted,

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MAIL CERTIFICATE

I hereby certify that this communication is being deposited with the United States Postal Service via first class mail under 37 C.F.R. § 1.08 on the date indicated below addressed to: MAIL STOP AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

12/3/04
Date of Deposit

Michelle J. Carman